

Setting up the MLS gateway on a Web Grid

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Web Grid Admin Password

Web Grid

Log In

Administrator password:

Passwords are case sensitive; check your CAPS LOCK key, if necessary.

Log In

Default password is "hanalei"

Administrative Settings

- Since this is just running on my localhost I'm leaving administrative settings alone
- You can modify them as per the instructions in Sean Kelly's 2005 tutorial:
 - <http://oodt.jpl.nasa.gov/web-grid/slides.pdf>

System Properties

System Properties

To add a new system property, enter its key and value at the bottom. You can change the values of existing properties. To delete an existing property, check the box to its right.

#	Key	Value	Delete?
1.	gov.nasa.jpl.oodt.product.handlers.ofsn.xmlConfigFilePath	C:\Users\Fusionex\worksp	<input type="checkbox"/>
2.	gov.nasa.jpl.oodt.product.handlers.ofsn.computeDirSize	false	<input type="checkbox"/>
(New)	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>

- XML Config File
 - Key: gov.nasa.jpl.oodt.product.handlers.ofsn.xmlConfigFilePath
 - Value: Location of ofsn-ps.xml
 - e.g., C:\Users\Fusionex\workspace\grid-product\src\main\conf\ofsn-ps.xml
- computeDirSize
 - Key: gov.nasa.jpl.oodt.product.handlers.ofsn.computeDirSize
 - Value: false

Save Changes



Click Save Changes button
at the bottom of the page

Change productRoot in ofsn-ps.xml

```
16 More more information on the OFSN style product servers, see the PDS original he
17
18 http://oodt/pds-client/guide/product
19
20 Required attributes:
21   id: defines a unique URN/id for this product server instance
22   name: defines a human readable name for this product server instance
23   productRoot: defines the root path in which the OFSN product server should st
24   paths based on a given OFSN
25 -->
26 <oodt:ofsn xmlns:oodt="http://oodt.jpl.nasa.gov/xml/namespaces/oodt/1.0"
27     id="urn:oodt:prod:ofsn"
28     name="OODT OFSN Style Product Handler"
29     productRoot="c:\cygwin\home\Fusionex\productRoot"
30 >
31
32 <!-- defines a new OFSN handler. There are 2 valid types:
33
34     listing: this type generates a list of files given an OFSN. The list will
35     be returned and formatted in XML for easy parsing.
36
37     get: this type returns the bits of the requested ofsn, after performing son
```

Make sure productRoot in the ofsn-ps.xml referred to in System Properties actually points to an existing path

Checkout the MLS gateway

- SVN Repository location:
 - <http://oodt.jpl.nasa.gov/repo>
- Path in repository:
 - cdx/gateway/trunk/mls

Create the MLS Gateway JAR file

- Change to the directory containing the MLS gateway's pom.xml file
- Type:
 - mvn clean assembly:assembly
 - Creates a jar with the MLS gateway and all its dependencies called
 - cdx-mls-1.0-jar-with-dependencies.jar
 - The target directory should have the jar file it in if the mvn command successfully builds

Code Bases

Code Bases

Specify a URL for each code base. URLs to files are assumed to be jar files. URLs that end in a / refer to directories containing class files. Check the box to delete a code base.

#	Code Base	Delete?
1.	file:/C:/Users/Fusionex/workspace/cdx-gateway-mls/target/cdx-mls-1.0-jar-with-dependencies.jar	<input type="checkbox"/>
(New)	<input type="text"/>	

Save Changes

Click Save Changes button
at the bottom of the page

Enter the URL (in this case a URL that points locally to the JAR you created for the
MLS gateway

Product Query Handlers

Query Handlers

Product Query Handlers

Specify the class name for each product query handler; the class must implement the `jpl.eda.product.QueryHandler` interface.

#	Class Name	Delete?
1.	<code>gov.nasa.jpl.oodt.product.handlers.ofsn.OFSNFileHandler</code>	<input type="checkbox"/>
(New)	<input type="text"/>	

Profile (

Specify t
impleme
interface

#

(New)

Enter `gov.nasa.jpl.oodt.product.handlers.ofsn.OFSNFileHandler`

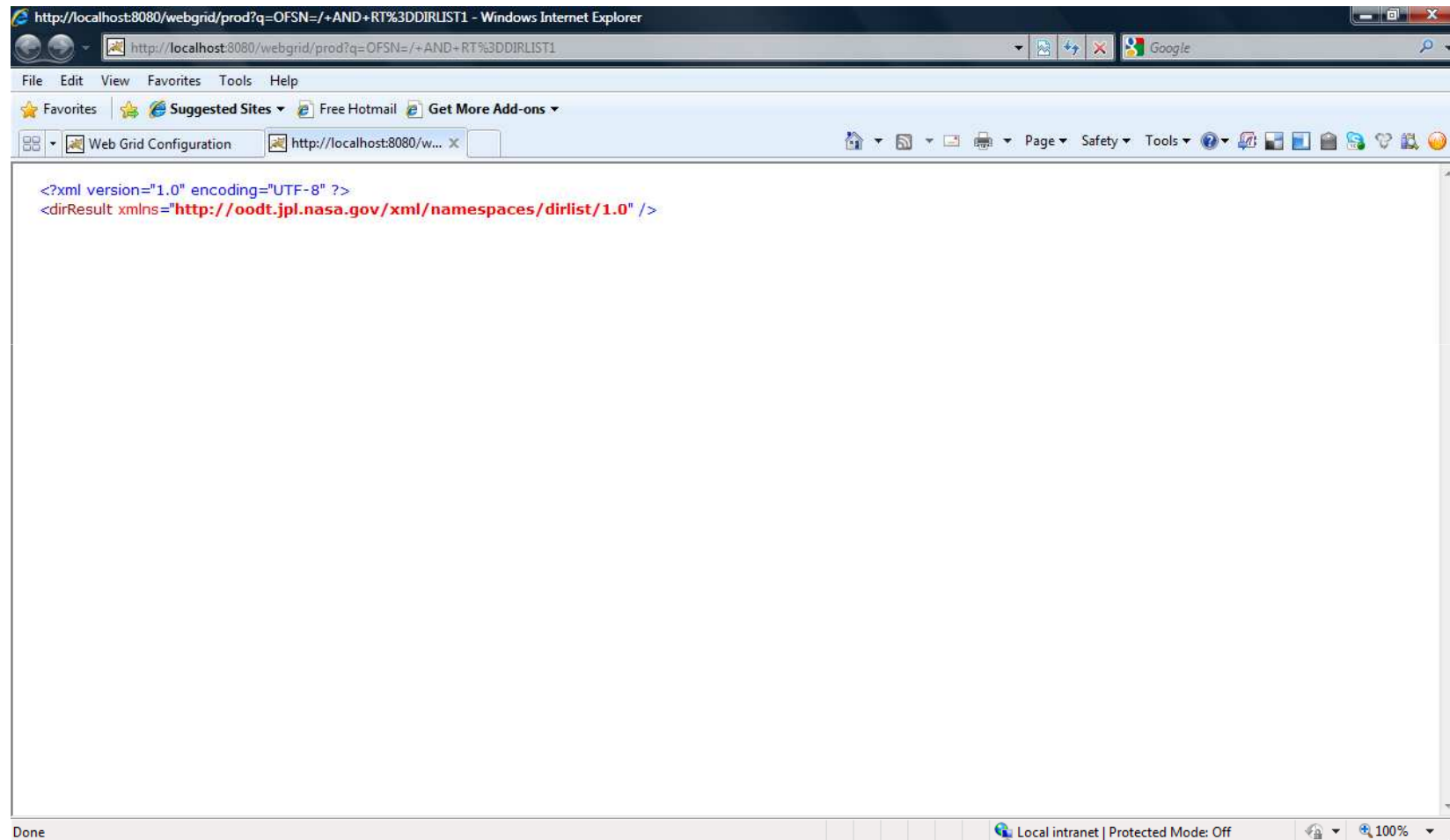
Save Changes

Click Save Changes button
at the bottom of the page

Try a command

- List directories recursively, starting from the OFSN path, all L2 data, produced by MLS software version 02.23
- Enter into the command into the browser as a URL:
 - `http://localhost:8080/webgrid/prod?q=OFSN=/+AND+RT%3DDIRLIST`

Command Returns...Empty XML File



Why?

- In my case, the directories and files in the path productRoot points to in ofsn-ps.xml does not match the query
- However, you have a working MLS gateway now